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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet of

Application Number 107019337

<b>Filing Date</b>	<b>December 19, 2001</b>
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First Named Inventor	Masur et al
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Group Art Unit	1647
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Examiner Name	HAYES
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Attorney Docket Number	JAB-1512
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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

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**Examiner  
Signature**

Date  
Considered

2/10/05

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<b>Filing Date</b>	December 19, 2001
<b>First Named Inventor</b>	Masure et al
<b>Group Art Unit</b>	1647
<b>Examiner Name</b>	RAYES
<b>Attorney Docket Number</b>	JAB-1512

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Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
RCH		JANE THOMPSON, EPAMINONDAS DOXAKIS, LUZIA G.P. PINON, PHILIP STRACHAN, ANNA BUJ-BELLO, SEAN WYATT, VLADIMIR L. BUCHMAN, AND ALUN M. DAVIES, "GFR $\alpha$ -4, a New GDNF Family Receptor", Mol. Cell. Neurosci. 11, 117-126 (1998)
		YASUSHI ENOKIDO, FRED DE SAUVAGE, JO-ANNE HONG, NATALIA NINKINA, ARNON ROSENTHAL, VLADIMIR L. BUCHMAN AND ALUN M. DAVIES, "GRF $\alpha$ -4 and the tyrosine kinase Ret form a functional receptor complex for persephin", Current Biology 8, 1019-1022 (1998)
		MART SAARMA, HANNU SARIOLA, "Other Neurotrophic Factors: Glial Cell Line-Derived Neurotrophic Factor (GDNF)", Microscopy Research and Technique, 45:292-302(1999).
		TERESA M. GUNN, KIMBERLY A. MILLER, LIN HE, RICHARD W. HYMAN, RONALD W. DAVIS, AREZOU AZARANI, STUART F. SCHLOSSMAN, JONATHAN S. DUKE-COHAN, GREGORY S. BARSH, "The mouse mahogany locus encodes a transmembrane form of human attractin", Nature Vol. 398, 152-156 (1999).
		MARIA DE FATIMA BONALDO, GREGORY LENNON, AND MARCELO BENTO SOARES, "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery", Genome Research, 6:791-806(1996)
		MARIA LINDAHL, TONIS TIMMUSK, JARI ROSSI, MART SAARMA, MATTI S.AIRAKSINEN, "Expression and Alternative Splicing of Mouse Gfra4 Suggest Roles in Endocrine Cell Development", Molecular and Cellular Neuroscience 15, 522-533(2000).
		STEFAN MASURE, MIROSLAV CIK, EVERT HOEFNAGEL, CHRISTOPHER A. NOSRAT, ILSE VAN DER LINDEN, RIZALDY SCOTT, PAUL VAN GOMPEL, ANNE S. J. LESAGE, PETER VERHASSELT, CARLOS F. IBANEZ, ROBERT D.GORDON, "Mammalian GFR $\alpha$ -4, a divergent member of the GFR $\alpha$ family of coreceptors for GDNF family ligands, is a receptor for the neurotrophic factor persephin", American Society for Biochemistry and Molecular Biology, Inc., 1-36(2000).
		MATTI S. AIRAKSINEN, ALEXEY TITIEVSKKY, MART SAARMA, "GDNF Family Neurotrophic Factor Signaling: Four Masters, One Servant?", Molecular and Cellular Neuroscience 13, 313-325(1999).
		<del>EMBL DataBase Entry ID No. MMU276872 5/1/2000</del>
		<del>EMBL DataBase Entry ID No. AF253318 10/26/2000</del>
		<del>EMBL DataBase Entry ID No. AW528607 3/8/2000</del>
		<del>EMBL DataBase Entry ID No. AJ035938 10/8/1998</del>
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